



All Purpose – Personal Protective Ensemble (AP-PPE)

Overview:

The All Purpose-Personal Protective Ensemble (AP-PPE) is a state-of-the-art Chemical-Biological (CB) protective garment system developed for Special Operations Forces, to increase protection against CB threats and to improve operational suitability. The AP-PPE recently achieved Milestone C for Full Rate Production (FRP) by the Joint Program Executive Office – Chemical Biological Defense (JPEO-CBD). The AP-PPE introduces the application of barrier material technologies, including Selectively Permeable Membrane (SPM) technology, in a total CB ensemble design.

Description:

The AP-PPE ensemble is comprised of a one-piece Overgarment, Hood, and CB protective footwear, and includes the existing Joint Block 1 Glove Upgrade (JB1GU) glove. The AP-PPE offers two distinct hood designs (attached and unattached hood) allowing operator preference. The AP-PPE components interface together and are compatible with existing operational gear. Performance advantages include:

- Increased protection from liquid and aerosol agents
- Significantly better resistance to POLs and other contaminants
- Reduced weight and bulk
- Improved comfort and compatibility
- Improved operational suitability
- Material technology reduces shelf life burden

Status:

The AP-PPE program is awarding contracts to three manufacturers for the production of the AP-PPE components. Production will commence in August 2005 with initial deliveries in December 2005.

Point of Contact:

Individual Protection Liaison

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AP-PPE with Attached Hood



AP-PPE with Separate Hood

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